STORAGE DEVICE WITH I/O COUNTER FOR PARTIAL DATA REALLOCATION

ABSTRACT OF THE DISCLOSURE

A method of reallocating data among physical disks corresponding to a logical

5   disk is provided. A logical disk is partitioned into a plurality of groups, each group

comprising at least one segment on at least one of a first plurality of physical disks

corresponding to the logical disk. One group of the plurality of groups is partitioned into a

plurality of sub-groups, and, for each sub-group of the plurality of sub-groups but one, the

sub-group is copied to at least one segment on at least one of a second plurality of physical

10   disks corresponding to the logical disk.

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